

ABSTRACT OF THE DISCLOSURE

*Sub A<sup>10</sup>*

5 A routing processing system in a packet transmission  
is capable of restricting a delay in a routing process per  
application. The packet transmission routing processing  
system performs a routing process for an input packet as a  
routing object and includes parsing and timer processing  
means for identifying an application corresponding to  
transmission of an input packet and monitoring a timer value  
10 preliminarily provided for the application, and routing and  
transferring means for determining a port of a transmission  
destination on the basis of a destination address stored in  
a routing table, and disposing the packet or transferring  
the packet to a preliminarily determined route adapting to  
15 the identified application when routing process is continued  
beyond the timer value monitored by the parsing and timer  
processing means.